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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,703	11/20/2003	Akira Yoshino	8070-1005	7064
466	7590 09/14/2004		EXAM	INER
	THOMPSON	HO, TU	HO, TU TU V	
	I 23RD STREET 2ND FLO N, VA 22202	OOR	ART UNIT	PAPER NUMBER
AREINGTE	711, 111 22202		2818	
			DATE MAILED: 09/14/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/716,703	YOSHINO, AKIRA			
Office Action Summary	Examiner	Art Unit			
	Tu-Tu Ho	2818			
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wit	h the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by stat Any reply received by the Office later than three months after the ma earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a re reply within the statutory minimum of thirty od will apply and will expire SIX (6) MONT tute, cause the application to become AB/	ply be timely filed r (30) days will be considered timely. IHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 20	<u>November 2003</u> .				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
Disposition of Claims					
4) ⊠ Claim(s) <u>1-25</u> is/are pending in the application 4a) Of the above claim(s) is/are withdright 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-25</u> are subject to restriction and/or	Irawn from consideration.				
Application Papers		·			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the cormand of the oath or declaration is objected to by the	accepted or b) objected to be the drawing(s) be held in abeyand rection is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the p application from the International Bur * See the attached detailed Office action for a	ents have been received. ents have been received in Apriority documents have been reau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s	ummary (PTO-413) s)/Mail Date			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date	(08) 5) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ıformal Patent Application (PTO-152) —·			

Application/Control Number: 10/716,703

Art Unit: 2818

DETAILED ACTION

Page 2

Election/ Restriction

Claims 1-25 are pending in this application.

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-12, drawn to a nonvolatile semiconductor memory device, classified in class 257, subclass 315.
 - **II.** Claims 13-25, drawn to a method for manufacturing a nonvolatile semiconductor memory device, classified in class 438, subclass 201.
- 2. If invention II is selected, Applicant is further required to elect one of the following patently distinct species:

Species IIA. Illustrated in Figures 1A-1D

Species IIB. Illustrated in Figures 2A-2D

Species IIC. Illustrated in Figures 3A-3E

Species IID. Illustrated in Figures 4A-4E

Species IIE. Illustrated in Figures 5A-5E

Species IIF. Illustrated in Figures 6A-6E

Species IIG. Illustrated in Figures 7A-7E

Species IIH. Illustrated in Figures 8A-8E

Page 3

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, 13 is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

3. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be

Application/Control Number: 10/716,703

Art Unit: 2818

used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of Invention I would not necessarily imply unpatentability of Invention II, since the device of Invention I could be made by processes materially different from those of Invention II. For example, diffusion layers of Invention I could be formed by implanting an impurity directly to a surface of the semiconductor substrate, rather than through the insulating film as recited in Invention II. In the instant case unpatentability of Invention II would also not necessarily imply unpatentability of Invention I, since the process as claimed could be used to make other and materially different product. For example, the process as claimed could be used to make non-charge trapping memory device.

Page 4

- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their different classification and their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am 5:00 pm.

Application/Control Number: 10/716,703 Page 5

Art Unit: 2818

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

August 30, 2004